

ABSTRACT OF THE DISCLOSURE

A system for synchronizing clocks includes: a GPS receiver module adapted to extract clock information and TOD information from a received GPS signal, to generate and output a clock signal and TOD data to a first base transceiver station and a base transceiver station of a next stage, the GPS receiver module being arranged within the first base-station transceiver; and a clock module adapted to generate a clock signal and TOD data synchronized with the clock signal and the TOD data of the first base transceiver station by performing a delay correction with one of the GPS receiver module of the first base transceiver station or a base transceiver station of a previous stage, and to output the clock signal and the TOD data to its base transceiver station and a base transceiver station of a next stage, upon the clock module receiving a clock signal and TOD data from one of the GPS receiver module of the first base transceiver station or the base transceiver station of the previous stage through a daisy chain, the clock module being arranged within a base transceiver station other than the first base-station transceiver.